

**From:** BRUCE WOODS  
**To:** ROHOOD.BRUNNER-PAT, ROHOOD.BAGOCIUS-MAUREEN  
**Date:** 10/23/98 10:22am  
**Subject:** CH2M Hill RAP #14 Bunker Hill Acid Mine Drainage

I have received the quote from CH2M Hill for RAP TDM #14, Bunker Hill Acid Mine Drainage.

The costs for the analyses seem to be reasonable for the following:  
Sulfate - quote of \$16 versus comparison cost of \$17  
Total Suspended Solids - quote of \$16 versus comparison cost of \$10  
Dissolved Ferrous Iron - quote of \$32 versus comparison costs of \$40

I do not have a comparison cost for the Lime Demand/ Solids Formed because this type of test is not one that we routinely encounter.

The original tasking was for up to 160 samples for each parameter, in the cost estimate the contractor has increased that for up to 180 samples. The contractor's explanation for this increase is that my estimate of 12 samples, two times per month, for 6 months was off.

The original tasking included metals analyses, but based upon estimated costs from the contractor, it looks like it is more cost effective to route the metals samples through the Contract Laboratory Program. So we have asked the contractor to cancel the metals under the RAP TDM.

I would recommend approval of this tasking.

**CC:** RODENALI.VOYTILLA-MARYKAY

